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I claim:

5 1. A method for regenerating a command
comprising:

 storing a linear command regeneration
template including a linear node template in a
memory; and

10 reconstructing said command using said linear
command regeneration template and data from a
database.

2. The method of Claim 1 wherein said storing a
15 linear command regeneration template further comprises:
 storing a begin option node template in said
linear node template.

3. The method of Claim 1 wherein said storing a
20 linear command regeneration template further comprises:
 storing a next option node template in said
linear node template.

4. The method of Claim 1 wherein said storing a
25 linear command regeneration template further comprises:
 storing an end option node template in said
linear node template.

5. The method of Claim 1 wherein said storing a
30 linear command regeneration template further comprises:
 storing a begin option node template, a next
option node template, and an end option node
template in said linear node template.

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6. The method of Claim 1 wherein said reconstructing said command using said linear command regeneration template and data from a database further comprises:

5 filtering said linear command regeneration template to locate said linear node template.

7. The method of Claim 6 wherein said filtering said linear command regeneration template to locate
10 said linear node template further comprises:
 scanning said linear command regeneration template to find a begin option node template.

8. The method of Claim 7 wherein said filtering
15 said linear command regeneration template to locate said linear node template further comprises:
 obtaining an identification of said begin option node template.

9. The method of Claim 8 wherein said filtering
20 said linear command regeneration template to locate said linear node template further comprises:
 scanning said linear command regeneration template to find an end option node template
25 including said identification.

10. The method of Claim 6 further comprising:
 passing said linear node template from said linear command regeneration template to an
30 evaluate branches process.

11. The method of Claim 10 further comprising:
 evaluating at least one branch in said linear node template from said linear command

regeneration template by said evaluate branches process.

12. The method of Claim 10 wherein said
5 evaluating at least one branch in said linear node from
said linear command regeneration template further
comprises:

finding a branch in said linear node
template.

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13. The method of Claim 10 wherein said
evaluating at least one branch in said linear node from
said linear command regeneration template further
comprises:

15 validating said branch using said data from
said database.

14. A memory storing a method for regenerating a
20 command, said method comprising:

storing a linear command regeneration
template including a linear node template in a
memory; and

25 reconstructing said command using said linear
command regeneration template and data from a
database.

15. The memory of Claim 14 wherein said storing a
linear command regeneration template further comprises:

30 storing a begin option node template in said
linear node template.

16. The memory of Claim 14 wherein said storing a
linear command regeneration template further comprises:

storing a next option node template in said linear node template.

17. The memory of Claim 14 wherein said storing a
5 linear command regeneration template further comprises:
storing an end option node template in said linear node template.

18. The memory of Claim 14 wherein said storing a
10 linear command regeneration template further comprises:
storing a begin option node template, a next option node template, and an end option node template in said linear node template.

15 19. The memory of Claim 14 wherein said reconstructing said command using said linear command regeneration template and data from a database further comprises:

20 filtering said linear command regeneration template to locate said linear node template.

20. The memory of Claim 19 wherein said filtering said linear command regeneration template to locate said linear node template further comprises:

25 scanning said linear command regeneration template to find a begin option node template.

21. The memory of Claim 20 wherein said filtering said linear command regeneration template to locate
30 said linear node template further comprises:

obtaining an identification of said begin option node template.

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scanning said linear command regeneration
5 template to find an end option node template
including said identification.

24. The memory of Claim 23 further comprising:
evaluating at least one branch in said linear
15 node template from said linear command
regeneration template by said evaluate branches
process.

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    finding a branch in said linear node
template.

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30         validating said branch using said data from
        said database.

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a memory coupled to said processor, and storing a method for regenerating a command wherein upon execution of said method by said processor, said method comprises:

- 5 storing a linear command regeneration template including a linear node template in said memory; and
 reconstructing said command using said linear command regeneration template and data from a
10 database.

28. The network device of Claim 27 wherein said storing a linear command regeneration template further comprises:

- 15 storing a begin option node template in said linear node template.

29. The network device of Claim 27 wherein said storing a linear command regeneration template further comprises:

- 20 storing a next option node template in said linear node template.

30. The network device of Claim 27 wherein said storing a linear command regeneration template further comprises:

- 25 storing an end option node template in said linear node template.

31. The network device of Claim 27 wherein said storing a linear command regeneration template further comprises:

- 30 storing a begin option node template, a next option node template, and an end option node
35 template in said linear node template.

32. The network device of Claim 27 wherein said
reconstructing said command using said linear command
regeneration template and data from a database further
5 comprises:

filtering said linear command regeneration
template to locate said linear node template.

33. The network device of Claim 32 wherein said
10 filtering said linear command regeneration template to
locate said linear node template further comprises:

scanning said linear command regeneration
template to find a begin option node template.

34. The network device of Claim 33 wherein said
15 filtering said linear command regeneration template to
locate said linear node template further comprises:

obtaining an identification of said begin
option node template.

35. The network device of Claim 34 wherein said
20 filtering said linear command regeneration template to
locate said linear node template further comprises:

scanning said linear command regeneration
25 template to find an end option node template
including said identification.

36. The network device of Claim 32 further
comprising:

30 passing said linear node template from said
linear command regeneration template to an
evaluate branches process.

37. The network device of Claim 36 further
35 comprising:

evaluating at least one branch in said linear node template from said linear command regeneration template by said evaluate branches process.

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38. The network device of Claim 36 wherein said evaluating at least one branch in said linear node from said linear command regeneration template further comprises:

10 finding a branch in said linear node template.

39. The network device of Claim 36 wherein said evaluating at least one branch in said linear node from said linear command regeneration template further comprises:

validating said branch using said data from said database.

20 40. A structure for regenerating a command comprising:

means for storing a linear command regeneration template including a linear node template in a memory; and

25 means for reconstructing said command using said linear command regeneration template and data from a database.

41. The structure of Claim 40 wherein said means for storing a linear command regeneration template further comprises:

means for storing a begin option node template in said linear node template.

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42. The structure of Claim 41 wherein said means for storing a linear command regeneration template further comprises:

5 means for storing a next option node template in said linear node template.

43. The structure of Claim 40 wherein said means for storing a linear command regeneration template further comprises:

10 means for storing an end option node template in said linear node template.

44. The structure of Claim 40 wherein said means for storing a linear command regeneration template further comprises:

15 means for storing a begin option node template, a next option node template, and an end option node template in said linear node template.

45. The structure of Claim 40 wherein said means for reconstructing said command using said linear command regeneration template and data from a database further comprises:

20 means for filtering said linear command regeneration template to locate said linear node template.

46. The structure of Claim 45 wherein said means for filtering said linear command regeneration template to locate said linear node template further comprises:

30 means for scanning said linear command regeneration template to find a begin option node template.

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